



Carolina Power & Light Company

JAN 12 1990

SERIAL: NLS-90-006

United States Nuclear Regulatory Commission  
ATTENTION: Document Control Desk  
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 & 50-324/LICENSE NOS. DPR-71 & DPR-62  
EMERGENCY PREPAREDNESS EXERCISE OBJECTIVES

Gentlemen:

Carolina Power & Light Company (CP&L) hereby submits the scope and objectives of the forthcoming Brunswick Steam Electric Plant (BSEP), Annual Emergency Preparedness Exercise. The exercise is currently scheduled to commence on April 3, 1990. A complete exercise scenario with controller information and simulation data will be submitted no later than 45 days prior to the start of the exercise.

Please refer any questions regarding this submittal to Mr. M. R. Oates at (919) 546-6063.

Yours very truly,

L. I. Loflin  
Manager

Nuclear Licensing Section

PDM/ecc (570CRS)

Enclosure

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ENCLOSURE

BRUNSWICK STEAM PLANT, UNITS 1 AND 2  
NRC DOCKETS 50-325 & 50-324  
OPERATING LICENSES DPR-71 & DPR-62

EMERGENCY PREPAREDNESS EXERCISE OBJECTIVES

CAROLINA POWER & LIGHT COMPANY  
BRUNSWICK NUCLEAR PROJECT  
EMERGENCY PREPAREDNESS EXERCISE  
APRIL 3, 1990

SCOPE

A simulated accident at the Brunswick Steam Electric Plant (BSEP) which could escalate to a general emergency and will involve planned response and recovery actions to include: emergency classification; notification of off-site organizations and plant personnel; actions to correct the emergency conditions; and initiation of accident assessment and protective actions as necessary to cope with the accident. The exercise will simulate an emergency that results in off-site radiological releases which require responses by state and local government personnel (state participation will be limited to those functions necessary to support implementation of county plans).

OBJECTIVES

The 1990 Brunswick Emergency Preparedness Exercise will provide an opportunity for emergency response personnel to:

1. Demonstrate the capability of on-site personnel to effectively utilize the emergency action level scheme.
2. Demonstrate the adequacy of the control room staff in control and accident mitigation activities along with accident assessment.
3. Demonstrate the adequacy of procedures for alerting, notifying, and mobilizing emergency response personnel (some individuals will be pre-stated within the local area).
4. Demonstrate that communications capabilities exist to accomplish notification of off-site agencies.
5. Demonstrate the capability to notify off-site authorities within 15 minutes of the emergency classification.
6. Demonstrate the adequacy of the information provided in the initial notification, as well as follow-up notifications to the state and counties.
7. Demonstrate the capability of personnel to activate the Technical Support Center, Operations Support Center, and Emergency Operations Facility as described in the emergency plan and procedures.
8. Demonstrate the transfer of responsibility between emergency response facilities as described in the plan and procedures.
9. Demonstrate the capability to communicate between emergency response facilities.

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10. Demonstrate the adequacy of the Operations Support Center in providing manpower support and coordination.
11. Demonstrate the adequacy of the Technical Support Center in providing accident assessment and mitigation, dose assessment, and communication/notification activities.
12. Demonstrate the adequacy of the Emergency Operations Facility in coordinating off-site utility activities.
13. Demonstrate recordkeeping requirements as described in the plan and procedures.
14. Demonstrate that status boards are maintained and updated.
15. Demonstrate the capability to provide adequate radiation protection services such as dosimetry and personnel monitoring.
16. Demonstrate the capability to perform radiological monitoring activities and assessments.
17. Demonstrate the capability to support the radiological assessment process while maintaining personnel radiation exposure as low as reasonably achievable.
18. Demonstrate the capability to perform on-site accountability within 30 minutes from the time of the order for accountability.
19. Demonstrate the capability to provide safe on-site access to off-site emergency services and/or support personnel (normal security access procedures will be adhered to).
20. Demonstrate those NRC identified open items resulting from the 1989 BSEP exercise.